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BRS	BRS	Туре
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USPA 3 and (camera\$1 or "CCD" or US-p imag\$3 near3 devic\$2 or EPO; image-pickup or image near3 JPO; captur\$3 or sensor\$@ or DERW sensing near3 device\$1) T; BM_	(robot\$4 or mechanical\$4 or mechaniz\$5 or mechanis\$5) near7 (pen\$1 or penlike\$1 or pencil\$3 or pencillike\$1 or pencil adjl like\$1 or handwrit\$4 or cursiv\$4 or hand adjl (writ\$4 or print\$4) or scrib\$4 or print\$4 or penmanship\$4 or lineart or line adjl (drawing\$! or art adjl (drawing\$1 or work\$3)) and (382.clas. or 901.clas. or 706.clas. or 348.clas. or 345.clas. or 700.clas. or 356.clas. or 250.clas. or 359.clas.)	Search Text
HU EN GP,	USPAT; US-PGP UB; IPO; JPO; DERWEN IBM_TD	DBS
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σ 7 σ BRS BRS BRS Type L10 L8 L9 ۲ # w 9 ω Hits sensing near3 device\$1) captur\$3 or sensor\$@ or image-pickup or image near3 JPO; imag\$3 near3 devic\$2 or 9 and (camera\$1 or "CCD" artwork\$3 or art adj1 or lineart or line adj1 inscrib\$4 or penmanship\$4 print\$4) or scrib\$4 or handprint\$4 or cursiv\$4 handwrit\$4 or writ\$4 or pencil adj1 like\$1 or pencil\$3 or pencillike\$1 7 and (pen\$1 or penlike\$1 or USPAT; sensing near3 device\$1) captur\$3 or sensor\$@ or image-pickup or image near3 JPO; imag\$3 near3 devic\$2 or 7 and (camera\$1 or "CCD" hand adjl (writ\$4 or (drawing\$1 or work\$3) (drawing\$! or art) or Search Text or or US-PGP or UB; or UB; EPO; JPO; EPO; EPO; DERWEN 14:39 DERWEN 14:38 DERWEN 14:36 UB; IBM_TD IBM_TD US-PGP USPAT; US-PGP USPAT; IBM_TD DBs 2004/02/20 2004/02/20 2004/02/20 Time Stamp Comments Error Definition Err gro 0 0 0

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4 and(robot\$3 near5(writ\$3 or draw\$3 or mark\$3))	4 and(robot\$3 near3 arm) near5(writ\$3 or draw\$3 or mark\$3)	(detec\$4 near3 move\$4)near7(surface or substrate or paper or board or layer)same robot\$3	Search Text
USPAT; US-PGP UB; EPO; JPO; DERWEN 12:5 T; IBM_TD B	USPAT; US-PGP UB; EPO; 2004 JPO; 12:5 DERWEN 12:5 T; IBM_TD B	US-PAT; US-PGP UB; EPO; 2004, JPO; 1DERWEN 13:11 T; IBM_TD B	DBs
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	(detec\$4 near3 (move\$4 or US-P) position))near3(surface or UB; substrate or paper or board EPO; or layer or partical or DERW media or chip or sub-strate)with (robot\$3 T; near3 (arm or hand)) USPA ISPA ISPA IBM B	~ 🗅 ;	Д К Д К О	Search Text
	USPAT; or US-PGP 17 UB; rd EPO; 2004/ JPO; 2004/ DERWEN 15:27 T; IBM_TD B	USPAT; or US-PGP US-PGP 170; 190; 190; 13:17 T; IBM_TD B	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	DBs
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N		N	Hits
((detec\$4 or recogniz\$4 or determin\$5) near5 (move\$4 or position))near5(surface or substrate or wafer or paper or board or layer or partical or media or chip or sub-strate)same((robot\$3 near3 (arm or hand))near3(writ\$4 or draw\$4))	((detec\$4 or recogniz\$4 or determin\$5) near3 (move\$4 or position))near5(surface or substrate or wafer or paper or board or layer or partical or media or chip or sub-strate)same((robot\$3 near3 (arm or hand))near3 (writ\$4 or draw\$4))	(detec\$4 near3 (move\$4 or position))near5(surface or substrate or wafer or paper or board or layer or partical or media or chip or sub-strate)and((robot\$3 near3 (arm or hand))near3 (writ\$4 or draw\$4))	Search Text
USPAT; US-PGP UB; CEPO; 2004, JPO; 2004, DERWEN 15:3, IBM_TD B	USPAT; USPAT; US-PGP OR UB; 1PO; 2004/ JPO; 2004/ DERWEN 15:33 DERWEN 15:33	USPAT; US-PGP US-PGP EPO; EPO; JPO; DERWEN 15:3: T; IBM_TD B	DBs
2004/02/19 15:34	2004/02/19 15:33	2004/02/19 15:31	Time Stamp
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13 BRS Type L16 ۲ # ഗ Hits partical or media or chip
or sub-strate) and ((robot\$3) or board or layer or substrate or wafer or paper EPO; or board or layer or ((detec\$4 or recogniz\$4 or determin\$5) near5 draw\$4)) hand))near3(writ\$4 or near3 (arm or position))near5(surface or (move\$4 or Search Text DERWEN 15:34 UB; Ш IBM_TD US-PGP USPAT; DBs Time Stamp Comments Error Definition Err ors 0

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((vision near3(bas\$3 or system)) or robot\$3) same((writ\$3 or draw\$3 or mark\$3) near7 (implement or tool or instrument or article or device))	(vision-based or vision near3 bas\$3) same(writ\$3 near7 (implement or tool or instrument or article or device))	(vision-based or vision near3 bas\$3) same(writ\$3 near3 (implement or tool or instrument or article or device))	Search Text
USPAT; US-PGP UB; EPO; JPO; JPO; DERWEN T; IBM_TD B	USPAT; US-PGP UB; EPO; OT JPO; DERWEN T; IBM_TD B	USPAT; US-PGP UB; EPO; JPO; JPO; DERWEN T; IBM_TD B	DBs
2004/02/16 16:03	2004/02/16 14:01	2004/02/16 13:59	Time Stamp
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0			2004/02/16 14:18	USPAT; US-PGP UB; EPO; JPO; DERWEN 1' T; IBM_TD B	(vision near3(bas\$3 or system)) same((writ\$3 or draw\$3 or mark\$3) near7 (implement or tool or instrument or article or device))	87	Ľ6	BRS	o
0			2004/02/16 14:20	USPAT; US-PGP UB; EPO; 2004 JPO; 14:2 DERWEN 14:2 T; IBM_TD B	4 and (video near3 frame\$1)same (target or object or reference near3 object)	ن	Ľ5	BRS	vi
0			2004/02/16 114:52	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	3 and (CCD or "CCD" or image-pikup\$4 or image near3 pickup or imag\$3 or camera\$1 or detec\$4 near3 device\$1)	435	Ľ4	BRS	4
Err	Error Definition	Comments	Time Stamp	DBs	Search Text	Hits	L #	Туре	

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0			2004/02/16 115:54	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD	robot\$3 same((writ\$3 or draw\$3 or mark\$3) near7 (implement or tool or instrument or article or device))	944	19	BRS	9
0			2004/02/16 17:27	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	7 and (video near3 frame\$1)same (target or object or reference near3 object)	44	L8	BRS	ω
0			2004/02/16 V 14:20	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	4 and robot\$3	372	L7	BRS	7
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				IBM_TD B					
0			2004/02/16 15:54	PAT; - PGP; O; O; RWEN	10 and (target or object or reference near3 object)	136	L12	BRS	12
0			2004/02/16 14:45	USPAT; US-PGP UB; EPO; 2004/ JPO; DERWEN 14:45 T; IBM_TD B	10 and (video near3 frame\$1)near5 (target or object or reference near3 object)	H	L11	BRS	11
0			2004/02/16 14:44	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	9 and(writ\$3 or draw\$3 or mark\$3) near7 (surface or substrate or paper or board or layer)	201	L10	BRS	10
Err	Error Definition	Comments 1	Time Stamp	DBs	Search Text	Hits	#	Туре	

0			2004/02/16 15:16	USPAT; US-PGP UB; EPO; JPO; JPO; DERWEN T; IBM_TD B	(("6249591") or ("6044165")).PN.	47	L15	IS&R	15
0			USPAT; US-PGP UB; EPO; JPO; DERWEN 15:52 T; IBM_TD B	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	13 and (CCD or "CCD" or image-pikup\$4 or image near3 pickup or imag\$3 or camera\$1 or detec\$4 near3 device\$1)	υ ω	L14	BRS	14
0			2004/02/16	AT; PGI PGI WEN	USP 12 and (detec\$4 or search\$4 UB; or find\$3 or recogniz\$3)same(target or JPO object or reference near3 DER object or mark) 1BM	60	L13	BRS	13
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	Туре	#	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Ors
₩	BRS	L16	4777	382/103,106,151,152,153,186,313,314,315,188,189,187;34,8/169,113,116,170,171,175;3,56/3;235/411.ccls.	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2004/02/16 15:54			0
17 B	BRS	L17	v	16 and robot\$3 same((writ\$3 or draw\$3 or mark\$3) near7 (implement or tool or instrument or article or device))	USPAT; US-PGP UB; k\$3) EPO; 2004/0: 1 or JPO; 2004/0: r DERWEN 17:25 T; IBM_TD B	2004/02/16			0
18 B	BRS	L18	7	17 and (target or object or reference near3 object or reference near3 point or fiducial near3 mark)	USPAT; US-PGP US-PGP UB; EPO; 20, JPO; DERWEN 15 T; IBM_TD B	2004/02/16			0

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BRS	BRS	BRS	Туре
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16 and (calibrat\$3 with(vision near3(bas\$3 or system))) same((writ\$3 or draw\$3 or mark\$3) near7 (implement or tool or instrument or article or device))	16 and(vision near3(bas\$3 or system)) same((writ\$3 or draw\$3 or mark\$3) near7 (implement or tool or instrument or article or device))	(vision near3(bas\$3 or system)) same((writ\$3 or draw\$3 or mark\$3) near7 (implement or tool or instrument or article or device))	Search Text
USPAT; US-PGP UB; EPO; JPO; DERWEN 16:12 T; IBM_TD B	USPAT; US-PGP UB; EPO; 2004 JPO; 16:1 DERWEN 16:1 T; IBM_TD B	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	DBs
2004/02/16 16:12	2004/02/16 16:10	2004/02/16 16:04	Time Stamp
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22	BRS	L22	761	robot\$3 same((writ\$3 or draw\$3 or mark\$3) near5 (implement or tool or instrument or article or device))	USPAT; US-PGP UB; EPO; JPO; JPO; DERWEN T; IBM_TD B	2004/02/16 17:47			0
23	BRS	L23	Ψ	22 same(detect\$4 or recogniz\$3 or find\$3 or search\$3)near5(substrate or paper or board or surface)	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2004/02/16 17:48			0
22 44	BRS	L24	290	(robot\$3 near3 arm) near5(writ\$3 or draw\$3 or mark\$3)	USPAT; US-PGF UB; EPO; JPO; JPO; TRMEN T; IBM_TIB	2004/02/16 17:48			0

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25 BRS	Туре
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24 same(detect\$4 or recogniz\$3)with(substrate or paper or board or surface)	Search Text
USPAT; US-PGP UB; EPO; 2004/(JPO; 17:50 DERWEN 17:50 T; IBM_TD B	DBs
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